

## MAGNETIC AND NON-MAGNETIC MATERIALS

All magnets have a region of space around them called the **MAGNETIC FIELD** which exerts an ATTRACTIVE FORCE on certain materials called MAGNETIC MATERIALS.

IRON, STEEL, NICKEL and COBALT are **MAGNETIC MATERIALS**.

A magnetic field has no effect on ANY OTHER MATERIAL and this includes every other metal apart from those above. These materials are called NON-MAGNETIC MATERIALS.



A MAGNET WILL  
ATTRACT STEEL  
PAPER CLIPS



A MAGNET HAS  
NO EFFECT ON  
PLASTIC PAPER  
CLIPS